Virtual Enterprise Computer

Abstract

The Virtual Enterprise Computer (VEC) is a method for creating a single virtual, enterprise-wide computing environment consisting of a single, enterprise-wide persistent address space to uniquely identify and location enterprise data and intellectual assets, a single, enterprise-wide, persistent memory as a single source for all enterprise data, resources and intellectual assets, an enterprise-wide persistent knowledge repository that models the business enterprise by maintaining relationships between business processes, workflows, business rules, business metrics, data, resources, legacy systems and intellectual assets, self-aware agents encapsulating data and computer code, a real-time event/logic controller to manage the execution of agents eliminating data pollution and data duplication, conserving knowledge assets, creating an enterprise-wide collaboration environment, enhancing the flow and sharing of information and knowledge, permitting the arbitration of intellectual resources across the business enterprise, providing a foundation architecture and knowledge infrastructure to address numerous business initiatives including:

- the Seamless Business Enterprise

- the Real-Time Business Enterprise

- Enterprise Knowledge Management

- Single-View of the Business Enterprise

- Enterprise Application Integration

- Coherent Business Enterprise

- Straight-Through-Processing

- Collaborative Work Environments

- Mergers and Acquisitions

- Single View of Customers and Suppliers

- Enterprise Resource Planning

- Enterprise Business Processing Reengineering

- Business Intelligence

- Intelligent Business Enterprise

- Optimized Business Enterprise

- Enterprise Business Modeling.